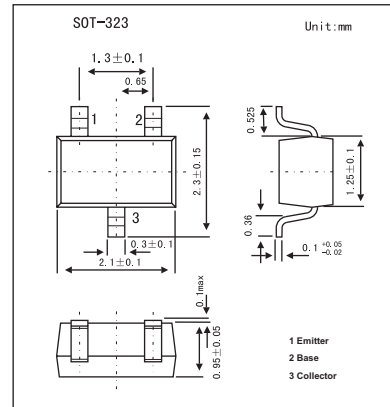


2PA1576

■ Features

- Low current (max. 100 mA)
- Low voltage (max. 40 V).
- Low collector capacitance (typ. 2.5 pF).



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector-base voltage	V _{CB0}	-50	V
Collector-emitter voltage	V _{CEO}	-40	V
Emitter-base voltage	V _{EBO}	-5	V
Collector current	I _C	-100	mA
Peak collector current	I _{CM}	-200	mA
Peak base current	I _{BM}	-200	mA
Total power dissipation	P _{tot}	200	mW
Storage temperature	T _{stg}	-65 to +150	°C
Junction temperature	T _j	150	°C
Operating ambient temperature	T _{amb}	-65 to +150	°C
thermal resistance from junction to ambient	R _{th j-a}	625	K/W

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector cut-off current	I _{CBO}	I _E = 0; V _{CB} = -30 V			-100	nA
		I _E = 0; V _{CB} = -30 V; T _j = 150 °C			-5	µA
Emitter cut-off current	I _{EBO}	I _C = 0; V _{EB} = -4 V			-100	nA
DC current gain 2PA1576Q 2PA1576R 2PA1576S	h _{FE}	I _C = -1 mA; V _{CE} = -6 V	120 180 270		270 390 560	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C = -50 mA; I _B = -5 mA; *			-500	mV
Collector capacitance	C _c	I _E = i _e = 0; V _{CB} = -12 V; f = 1 MHz		2.5	3.5	pF
Transition frequency	f _T	I _C = -2 mA; V _{CE} = -12 V; f = 100 MHz	100			MHz

* Pulse test: t_p ≤ 300 µs; δ ≤ 0.02.

■ hFE Classification

TYPE	2PA1576Q	2PA1576R	2PA1576S
Marking	FQ	FR	FS